

In The Specification

Please replace the last paragraph beginning on page 3 as follows:

Referring to FIGS. 2A and 2B, supercharger 10 comprises driveshaft 12, impeller shaft 20, impeller 22, compressor housing 24 26, gear housing 26 and lubrication reservoir 28. In operation, air is drawn through opening 24a in the compressor housing 24 and into impeller 22. Impeller 22, in conjunction with the compressor housing 24, compresses the air before discharging it out of the compressor housing 24. Preferably, impeller 22 is designed to discharge the air smoothly into compressor housing 26, without substantial discontinuity or aerodynamic perturbation that may reduce performance.

Please replace the first full paragraph beginning on page 10 as follows:

Referring to FIGS. 2A, and 2C-D, some embodiments of the present invention may include a reservoir 28 having a reservoir baseplate 29 that may include inlet and outlet ports 32 for the circulation of cooling fluid or water. As shown in FIG. 2D, such an embodiment incorporates passageways communicating with the inlet and outlet ports 32, but that do not communicate with reservoir 28. The passageways supply cooling fluid to the heat transfer elements ~~34~~ 35 that are in contact with any lubricating oil within reservoir 28. The cooling fluid can be provided from a variety of sources including the engine cooling system, or in the case of a marine application, lake or sea water. Advantageously, as shown in FIGS. 2C-D, the heat transfer elements ~~34~~ 35 are attached-to or cast-into the baseplate 29 and provide improved cooling performance.

Please replace the second full paragraph beginning on page 11 as follows:

As shown in FIGS. 3A-D, the sleeve 60 includes an opening 62 for gear engagement. Additionally, the sleeve 60 includes a lubrication conduit ~~63~~ 64 in fluid communication with a lubrication oil supply conduit 51, and lubrication apertures 65 in fluid communication with lubrication conduit ~~63~~ 64. Lubricating oil may then drain back to reservoir 28 via drain port 66, which is aligned to be in communication with port 54 (shown in FIG. 2A). It will be appreciated that the sleeve, or sheath 60 may comprise any configuration that results in the sleeve, or intermediate member being positioned between the bearing assemblies 40a, 40b and the gear housing 26. The intermediate-member may also be comprised of more than one component.